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Informatics Grid*



Informatics for the Biospecimen Research Network

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Initiating a project

- Define what we need
- Identify key functionality
- Determine possible solutions
 - Build? Buy?
- Identify Costs, Schedule & Risks



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Project statement - draft!

- To provide an informatics system to enable the NCI's Office of Biorepositories and Biospecimen Research to collect and collate data from participants in its Biospecimen Research Network. The system will additionally support sharing biospecimen protocols based on these research data with the wider research community. The system will use caBIG as a means of sharing data within the Biospecimen Research Network. This system will be implemented by X date at a cost of no greater than \$Y.



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Sample Use Case

- **Submit research results to network**
- *An individual or group would submit their data to the network informatics system. The assumption is that each center will be conducting a complete piece of research and its analysis and would report data to the network in terms of the factors examined and their effect on the particular analysis type.*



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Key issue

- Collaborative tool
- or
- Structured database for detail data



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We expect...

- **Business as usual**
 - You will use the tools you have
 - Including software
 - How will results be shared?
 - Is each cube of the ice tray self sufficient?

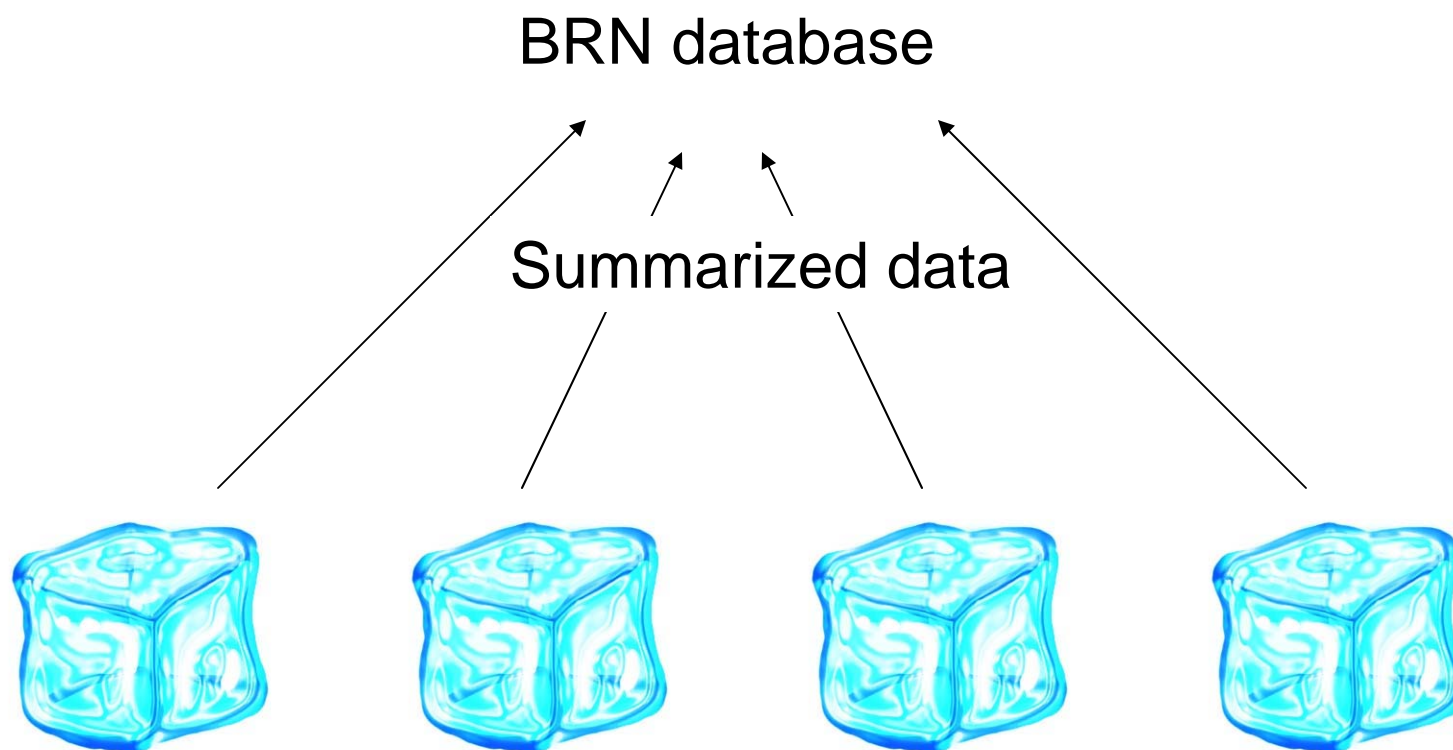


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Local data analysis



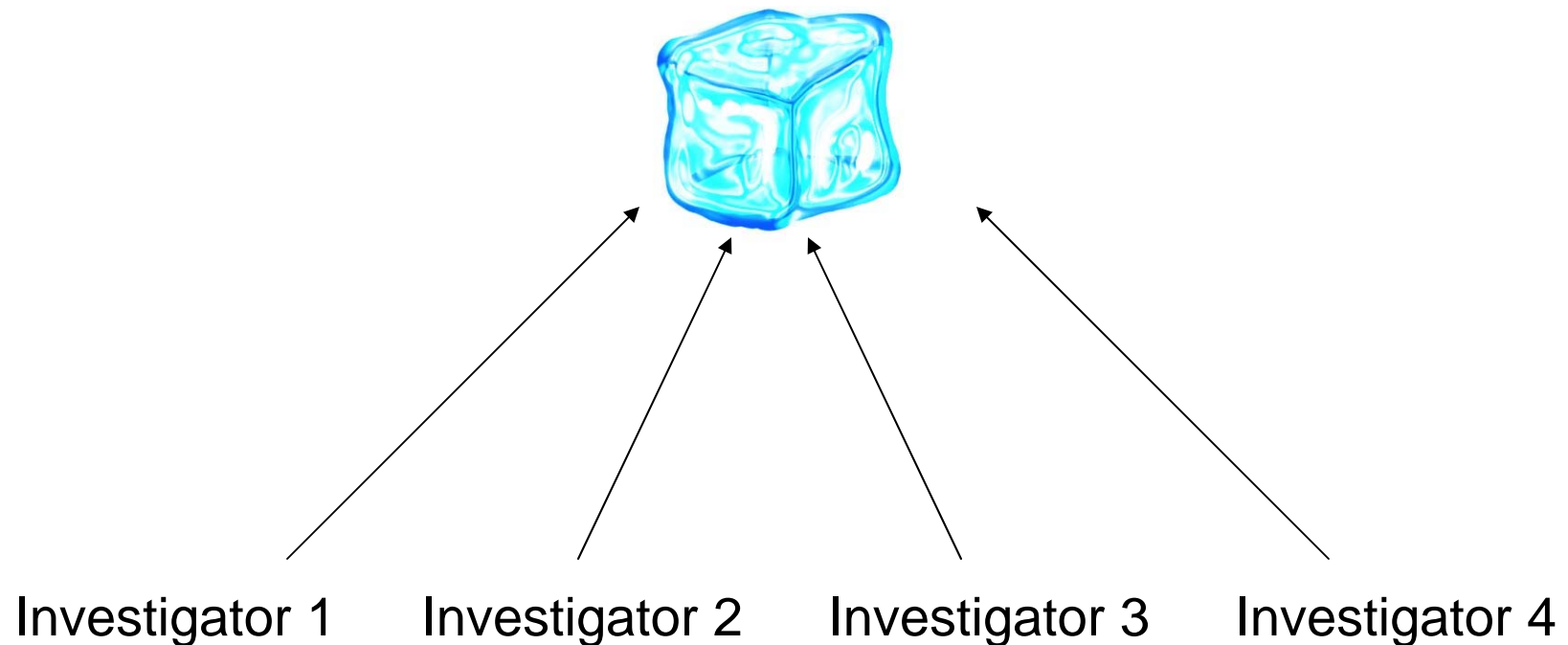


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Multiple contributors to a cube





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Next steps

- Establish informatics team
 - Informatics reps from BRN participants
 - Investigators
- Define the informatics project